

SystemC CCI WG Preset Values Superset

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Preset Values Superset

- Objective of the present example is to demonstrate the following :
 - Detecting Unconsumed Parameters (R3.1) existing in a model



Example Illustration (1)

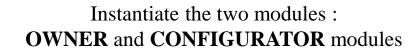
main.cpp (testbench file)

Use the configuration file approach for assigning preset values to the cci-parameters. (For further details, see ex17_Specifying_Parameter_Values_via_a_Configuration_File)

```
cci::cnf::cci_configFile_Tool configTool("configFileTool");
configTool.config("Configuration_File.txt");
```

param_owner.int_param_1	100
<pre>param_owner.int_param_2</pre>	200
<pre>param_owner.int_param_3</pre>	300
<pre>param_owner.int_param_4</pre>	400

Configuration_File



parameter_owner.h

Instantiate the cci_parameters:

Parameter Name: int_param_1; Default Value: 10

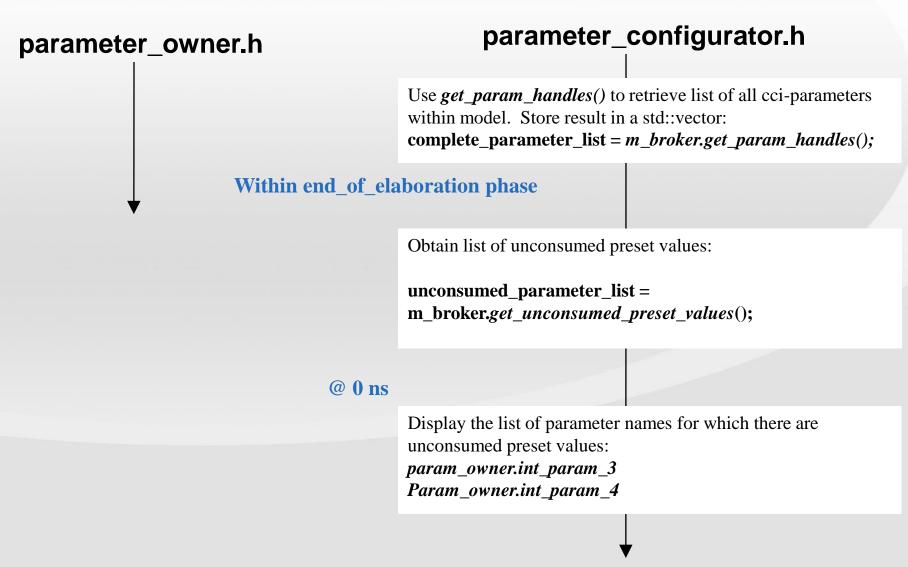
Parameter Name: int_param_2; Default Value: 20

parameter_configurator.h

Get handle for broker: m_broker(cci::cci_get_broker())



Example Illustration (contd.. 1)





Expected Output

(ex18_Preset_Values_Superset.log)

```
SystemC Simulation
ConfigFile Api: Applying preset value of param 'param owner.int param 1' to '100'
ConfigFile Api: Applying preset value of param 'param owner.int param 2' to '200'
ConfigFile Api: Applying preset value of param 'param owner.int param 3' to '300'
ConfigFile Api: Applying preset value of param 'param owner.int param 4' to '400'
Info: sc main: Begin Simulation.
Info: param cfgr: @0 s, [CFGR within EOE] : List of all parameters in the model
Info: param cfgr: @0 s, [CFGR within EOE] : Parameter Name : param owner.int param 1
Info: param cfgr: @0 s, [CFGR within EOE] : Parameter Name : param owner.int param 2
Info: param_cfgr: @0 s, [CFGR] : List of parameter names with unconsumed preset values
Info: param_cfgr: @0 s, [CFGR] : Unconsumed Parameter Name : param_owner.int_param_3
Info: param cfgr: @0 s, [CFGR] : Unconsumed Parameter Name : param owner.int param 4
Info: sc main: End Simulation.
```

